A2575-1 12/14/82

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 63 For Week Ended DECEMBER 3, 1982 NO. 48

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

ALL DATA ARE ESTIMATES MADE BY THE API BASED ON DATA FROM REPORTING COMPANIES.

	Current Week Ending: 12/03/82	Last Week Ending: 11/26/82	Last Year Week Ending: 12/04/81	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units	12,117	12,183	13,019	- 66	- 902
Operable capacity	16,663	16,663	18,230	0	- 1,567
Percent operated	72.7	73.1	71.4		
Motor Gasoline					
Motor gasoline production	6,305	6,254	7,053	+ 51	- 748
Refinery shipments of unleaded motor gasoline	3,646	3,360	3,435	+ 286	+ 211
Total Motor gasoline stocks	228,925	230,113	246,233	- 1,188	- 17,308
Finished unleaded motor gasoline stock	93,300	93,825	95,460	- 525	- 2,160
Distillate Fuel Oil					
Distillate fuel oil production	2,878	2,875	2,896	+ 3	- 18
Distillate fuel oil stocks	187,589	183,011	197,665	+ 4,578	- 10,076
Residual Fuel Oil					
Residual fuel oil production	994	996	1,280	- 2	- 286
Residual fuel oil stocks	64,669	62,286	81,787	+ 2,383	- 17,118
Imports					
Crude oil imports	3,790	3,412	5,039	+ 378	- 1,249
Product imports	1,663	1,909	1,790	- 246	- 127
Crude Oil Stocks					
Crude oil stocks	351,561	343,619	369,078	+ 7,942	- 17,517

TOTAL U.S. DATA FOR THE CURRENT WEEK'S REFINERY OPERATIONS, PRODUCTION, STOCKS AND IMPORTS ARE NOW AVAILABLE THROUGH A PRE-RECORDED TELEPHONE MESSAGE. THE TELEPHONE NUMBER FOR THIS SERVICE IS AREA CODE (202) 457-7147.

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STATISTICS DEPARTMENT
VOL. 63 For Week Ended *DECEMBER* 3, 1982 NO. 48

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Foreign Crude Runs[1]	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,216	1,104●	1,037●	1,135	1,569	72.3
Appal. No. 1	94	89	--	90	98	91.8
DISTRICT 1 TOTAL	1,310	1,193●	1,037●	1,225	1,667	73.5
Appal. No. 2	61	56	7	59	66	89.4
Ind., Ill., Ky.	1,691	1,588	447	1,601	2,399	66.7
Minn., Wis., Daks.	280	266	108	278	293	94.9
Okla., Kans., Mo.	775	680	39	693	858	80.8
DISTRICT 2 TOTAL	2,807	2,590	601	2,631	3,616	72.8
Inland Texas	522	475	29	504	592	85.1
Texas Gulf Coast	3,022	2,721	747	2,823	3,993	70.7
La. Gulf Coast	2,139	1,958	738	2,089	2,728	76.6
N. La. and Ark.	188	186	12	193	314	61.5
New Mexico	121	83	--	88	117	75.2
DISTRICT 3 TOTAL	5,992	5,423	1,526	5,697	7,744	73.6
DISTRICT 4 TOTAL	518	493	53	500	553	90.4
DISTRICT 5 TOTAL	2,148●	2,004●	191●	2,064●	3,083	66.9●
TOTAL U.S.	12,775	11,703	3,408	12,117	16,663	72.7
TOTAL U.S. Weeks Ended:						
NOV. 26, 1982	12,912●	11,788●	3,461●	12,183●	16,663	73.1●
DEC. 4, 1981	14,042	12,714	4,076	13,019	18,230	71.4
DISTRICTS 1—4 Weeks Ended:						
DEC. 3, 1982	10,627	9,699	3,217	10,053	13,580	74.0
NOV. 26, 1982	10,784	9,783●	3,258●	10,125	13,580	74.6
DEC. 4, 1981	11,731	10,534	3,889	10,760	15,068	71.4

[1] Included in the Crude Oil Runs to Distillation Units.

● *SEE REVISIONS ON PAGE 7*

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER 3, 1982*

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	571	427	9	19	16●	299	135
Appal. No. 1	32	13	2	--	3	19	9
DISTRICT 1 TOTAL	603	440	11	19	19●	318	144
Appal. No. 2	32	15	--	3	--	13	5
Ind., Ill., Ky.	956	644	11	97	7	347	46
Minn., Wis., Daks.	146	64	4	6	--	78	12
Okla., Kans., Mo.	396	144	6	22	9	224	15
DISTRICT 2 TOTAL	1,530	867	21	128	16	662	78
Inland Texas	286	139	25	23	1	124	33
Texas Gulf Coast	1,372	808	19	194	20	754	183
La. Gulf Coast	1,106	688	10	265	40	427	211
N. La. and Ark.	68	24	10	--	--	51	1
New Mexico	58	16	13	2	2	28	4
DISTRICT 3 TOTAL	2,890	1,675	77	484	63	1,384	445
DISTRICT 4 TOTAL	271	98	13	21	3	135	11
DISTRICT 5 TOTAL	1,011	566	56	202	2	379	316
TOTAL U.S.	6,305	3,646	178	854	103	2,878	994
TOTAL U.S. Weeks Ended:							
NOV. 26, 1982	6,254	3,360	182	778	140●	2,875	996
DEC. 4, 1981	7,053	3,435	215	858	87	2,896	1,280
DISTRICTS 1—4 Weeks Ended:							
DEC. 3, 1982	5,294	3,080	122	652	101	2,499	678
NOV. 26, 1982	5,336	2,801	123	563	138●	2,526	677
DEC. 4, 1981	6,018	2,928	156	638	79	2,527	916

[1] Refinery shipments only.
[2] Includes Grade No. 4 fuel oil.

● *SEE REVISIONS ON PAGE 7*

API WEEKLY STATISTICAL BULLETIN
Week Ended

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
New England	6,367	3,253	68	855	1,064	19,296	2,921	--
Central Atlantic	31,773	13,887	329	5,728	2,558	52,335	25,608	13,938●
Lower Atlantic	27,337	14,142	108	3,775	1,811	18,498	5,039	589
East Coast	60,929	28,822	378	10,140	5,047	86,596	33,049	13,506●
Appal. No. 1	4,548	2,460	127	218	386	3,533	519	1,021
DISTRICT 1 TOTAL	65,477	31,282	505	10,358	5,433	90,129	33,568	14,527●
Appal. No. 2	2,760	1,290	10	191	305	1,898	319	114
Ind., Ill., Ky.	35,900●	15,907●	574	4,443	2,114●	24,209●	3,227	13,652
Minn., Wis., Daks.	6,990	2,757	195	607	92	6,535	440	506
Okla., Kans., Mo.	19,335	6,594	554	2,202	319	13,625	892	5,908
DISTRICT 2 TOTAL	64,985●	26,548●	1,333	7,443	2,830●	46,267●	4,878	20,180
Inland Texas	8,490	3,110	620	1,222	75	3,338	379	2,480
Texas Gulf Coast	26,021●	8,534●	688	4,846	1,332●	17,754●	8,504	28,295●
La. Gulf Coast	18,351	5,679	433	2,922	893	9,252	7,759	14,769
N. La. and Ark.	10,762	6,085	610	1,531	140	6,313	311	916
New Mexico	863	266	449	104	40	387	88	309
DISTRICT 3 TOTAL	64,487●	23,674●	2,800	10,625	2,480●	37,044●	17,041	46,769●
DISTRICT 4 TOTAL	6,888	2,027	324	772	35	3,502	483	2,691
DISTRICT 5 TOTAL	27,088	9,769	1,453	5,605	116	10,647	8,699	24,553
TOTAL U.S.	228,925	93,300*	6,415	34,803	10,894	187,589	64,669	108,720
TOTAL U.S. Weeks Ended:								
NOV. 26, 1982	230,113	93,825	6,284	33,996	10,933	183,011	62,286	110,167●
DEC. 4, 1981	246,233	95,460	6,926	35,029	11,362	197,665	81,787	116,152
DISTRICTS 1—4 Weeks Ended:								
DEC. 3, 1982	201,837	83,531	4,962	29,198	10,778	176,942	55,970	84,167
NOV. 26, 1982	203,140	84,474	4,885	28,304	10,786	172,703	53,801	84,960●
DEC. 4, 1981	214,648	83,767	5,372	28,465	11,128	185,834	71,509	89,197

[1] Included in Total Motor Gasoline stocks.
[2] Includes Grade No. 4 fuel oil

**INCLUDES 21,600 BBLS OF FINISHED UNLEADED MOTOR GASOLINE AT REFINERIES AS FOLLOWS:*
DIST. 1: 2,698 DIST. 2: 5,159 DIST. 3: 8,661 DIST. 4: 703 DIST. 5: 4,379

● *SEE REVISIONS ON PAGE 7*

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER* 3, 1982

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *JULY* 1982	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	----------Daily Average----------				
DISTRICTS 1—4 TOTAL					
DEC. 3, 1982	5,851.6	5,840.0	3,550	158	269,414
NOV. 26, 1982	5,851.6	--	3,273	170	266,685●
NOV. 19, 1982	5,851.6	--	3,863	188	263,262
NOV. 12, 1982	5,851.6	--	2,887	170	260,338
DISTRICT 5 TOTAL					
DEC. 3, 1982	2,766.0	2,816.0	240	14	82,147 *
NOV. 26, 1982	2,766.0	--	139	14	76,934
NOV. 19, 1982	2,766.0	--	272	--	84,236
NOV. 12, 1982	2,766.0	--	15	14	78,885
TOTAL U.S.					
DEC. 3, 1982	8,617.6	8,656.0	3,790	172	351,561 *
NOV. 26, 1982	8,617.6	--	3,412	184	343,619●
NOV. 19, 1982	8,617.6	--	4,135	188	347,498
NOV. 12, 1982	8,617.6	--	2,902	184	339,223
DEC. 4, 1981	8,572.6/A	--	5,039	191	369,078

**INCLUDES 25,623 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.*

/A DOE ACTUAL FOR NOVEMBER 1981.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	Week Ended *DECEMBER* 3, 1982 Domestic	Foreign	Total	Week Ended *DECEMBER* 4, 1981 Domestic	Foreign	Total
PAD District 1	3,336	13,356	16,692	5,311	15,007	20,318
PAD District 2	62,638	13,520	76,158	67,715	14,349	82,064
PAD District 3	121,526●	42,357	163,883●	126,797	40,295	167,092
PAD District 4	11,111	1,570	12,681	15,067	691	15,758
TOTAL PAD DISTRICTS 1—4	198,611●	70,803	269,414●	214,890	70,342	285,232
PAD District 5	76,310	5,837	82,147 *	76,447	7,399	83,846
TOTAL U.S.	274,921●	76,640	351,561●*	291,337	77,741	369,078

[1] See definitional notes, Page 6.

● *SEE REVISIONS ON PAGE* 7

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER* 3, 1982

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel Naphtha Type	Jet Fuel Kerosine Type	Kerosine	Distillate Fuel Oil	Grade No. 4 Fuel Oil	Residual Fuel Oil	L.P.G.	Petro-chemical Feedstocks	Special Naphtha	Plant Condensate	Asphalt	Unfinished Oil[2]	Total
New England	--	--	--	--	--	--	--	27	3	--	--	--	--	--	30
Central Atlantic	135	81	6	9	9	87	--	271	4	17	11	--	2	19	570
Lower Atlantic	--	--	--	--	--	--	--	366	--	--	--	--	--	--	366
DISTRICT 1 TOTAL[2]															
DEC. 3, 1982	135	81	6	9	9	87	--	664	7	17	11	--	2	19	966
NOV. 26, 1982	100	49	10	11	7	91	--	600	8	--	6	--	1	104	938
NOV. 19, 1982	100	49	10	47	7	98	--	791	9	16	5	--	3	48	1,134
NOV. 12, 1982	104	47	--	3	15	119	--	541	8	--	--	--	1	27	818
DISTRICTS 2—4 TOTAL															
DEC. 3, 1982	10	1	--	--	--	2	--	115	213	48	14	179	--	20	601
NOV. 26, 1982	11	3	--	--	--	1	--	100	288	73	39	177	8	184	881
NOV. 19, 1982	11	4	--	--	--	2	--	83	270	56	5	11	--	137	575
NOV. 12, 1982	12	1	--	--	--	2	--	80	205	--	8	10	--	7	324
DISTRICT 5 TOTAL															
DEC. 3, 1982	41	12	3	2	--	6	--	12	16	5	6	1	--	4	96
NOV. 26, 1982	39	13	2	1	--	6	--	10	18	5	6	--	--	3	90
NOV. 19, 1982	40	13	2	1	--	5	--	19	15	--	5	--	--	7	94
NOV. 12, 1982	46	14	--	--	--	5	--	10	14	--	--	1	--	15	91
TOTAL U.S.	186	94	9	11	9	95	--	791	236	70	31	180	2	43	1,663
TOTAL U.S. Weeks Ended:															
NOV. 26, 1982	150	65	12	12	7	98	--	710	314	78	51	177	9	291	1,909
NOV. 19, 1982	151	66	12	48	7	105	--	893	294	72	15	11	3	192	1,803
NOV. 12, 1982	162	62	--	3	15	126	--	631	227	--	8	11	1	49	1,233
DEC. 4, 1981	180	105	--	--	5	120	--	1,114	308	--	2	7	4	50	1,790

[1] Included in Total Motor Gasoline imports.
[2] See definitional notes, Page 6.

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded motor gasoline represent only finished, unleaded motor gasoline located at refineries, pipelines and bulk terminals. These stocks are also included in "total motor gasoline stocks." However, a large part of the motor gasoline stocks at refineries consist of components which may be blended to produce either leaded or unleaded motor gasoline. For that reason, these stocks cannot be classified as either finished unleaded or leaded motor gasoline. Therefore, it is incorrect to assume that the difference between total motor gasoline stocks and finished, unleaded motor gasoline stocks is equal to leaded motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and Dist. of Col.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE montly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

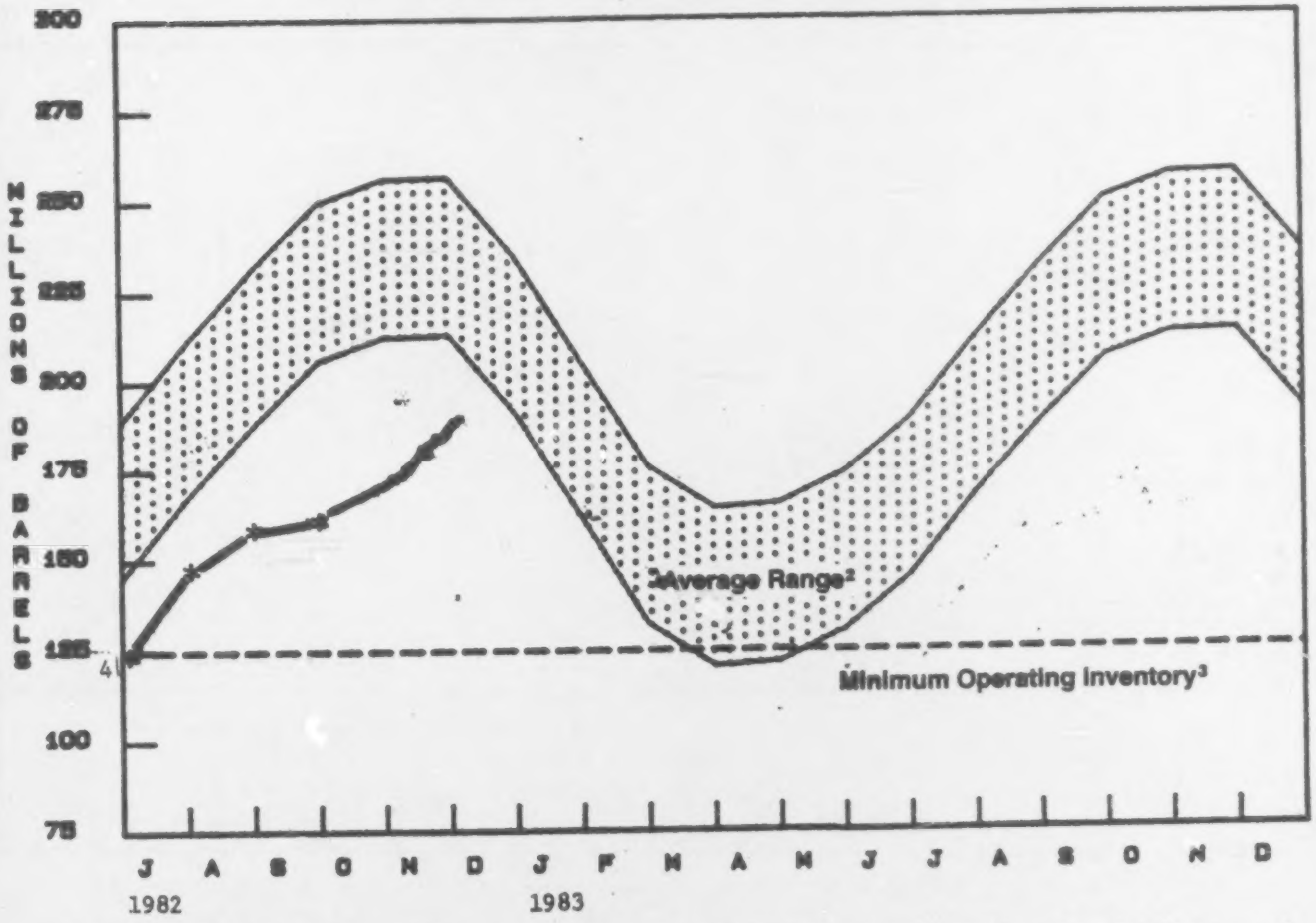
REVISIONS

11/26/82	PAGE 1	TOTAL REFINERY INPUT	DISTRICT 5 TOTAL	2,128
			TOTAL U.S.	12,912
		CRUDE OIL RUNS	EAST COAST	1,113
			DISTRICT 1 TOTAL	1,204
			DISTRICT 5 TOTAL	2,005
			TOTAL U.S.	11,788
			DISTRICTS 1-4	9,783
		FOREIGN CRUDE RUNS	EAST COAST	1,050
			DISTRICT 1 TOTAL	1,050
			DISTRICT 5 TOTAL	203
			TOTAL U.S.	3,461
			DISTRICTS 1-4	3,258
		INPUT TO CRUDE OIL	DISTRICT 5 TOTAL	2,058
			TOTAL U.S.	12,183
		o/o OPERATED	DISTRICT 5 TOTAL	66.8
			TOTAL U.S.	73.1
	PAGE 2	KEROSINE	EAST COAST	14
			DISTRICT 1 TOTAL	15
			TOTAL U.S.	140
			DISTRICTS 1-4	138
	PAGE 3	TOTAL MGAS	IND., ILL., KY.	35,397
			DISTRICT 2 TOTAL	63,781
			TEXAS GULF COAST	27,522
			DISTRICT 3 TOTAL	66,516
		UNLEADED MGAS	IND., ILL., KY.	14,604
			DISTRICT 2 TOTAL	25,238
			TEXAS GULF COAST	10,062
			DISTRICT 3 TOTAL	25,529
		KEROSINE	IND., ILL., KY.	2,124
			DISTRICT 2 TOTAL	2,828
			TEXAS GULF COAST	1,344
			DISTRICT 3 TOTAL	2,557
		DISTILLATE FUEL	IND., ILL., KY.	23,714
			DISTRICT 2 TOTAL	45,568
			TEXAS GULF COAST	17,106
			DISTRICT 3 TOTAL	36,341
		UNFINISHED OILS	CENTRAL ATLANTIC	12,926
			EAST COAST	12,366

REVISIONS

			DISTRICT 1 TOTAL	13,39
			TEXAS GULF COAST	28,71
			DISTRICT 3 TOTAL	48,29
			TOTAL U.S.	110,16
			DISTRICTS 1-4	84,96
PAGE 4	TOP	CRUDE OIL STOCKS	DISTRICTS 1-4 TOTAL	266,6
			TOTAL U.S.	343,61
PAGE 4	BOTTOM	DOMESTIC	PAD DISTRICT 3	121,1
			TOTAL PAD DISTRICTS 1-4	197,1
			TOTAL U.S.	268,7
		TOTAL	PAD DISTRICT 3	161,7
			TOTAL PAD DISTRICTS 1-4	266,6
			TOTAL U.S.	343,6

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

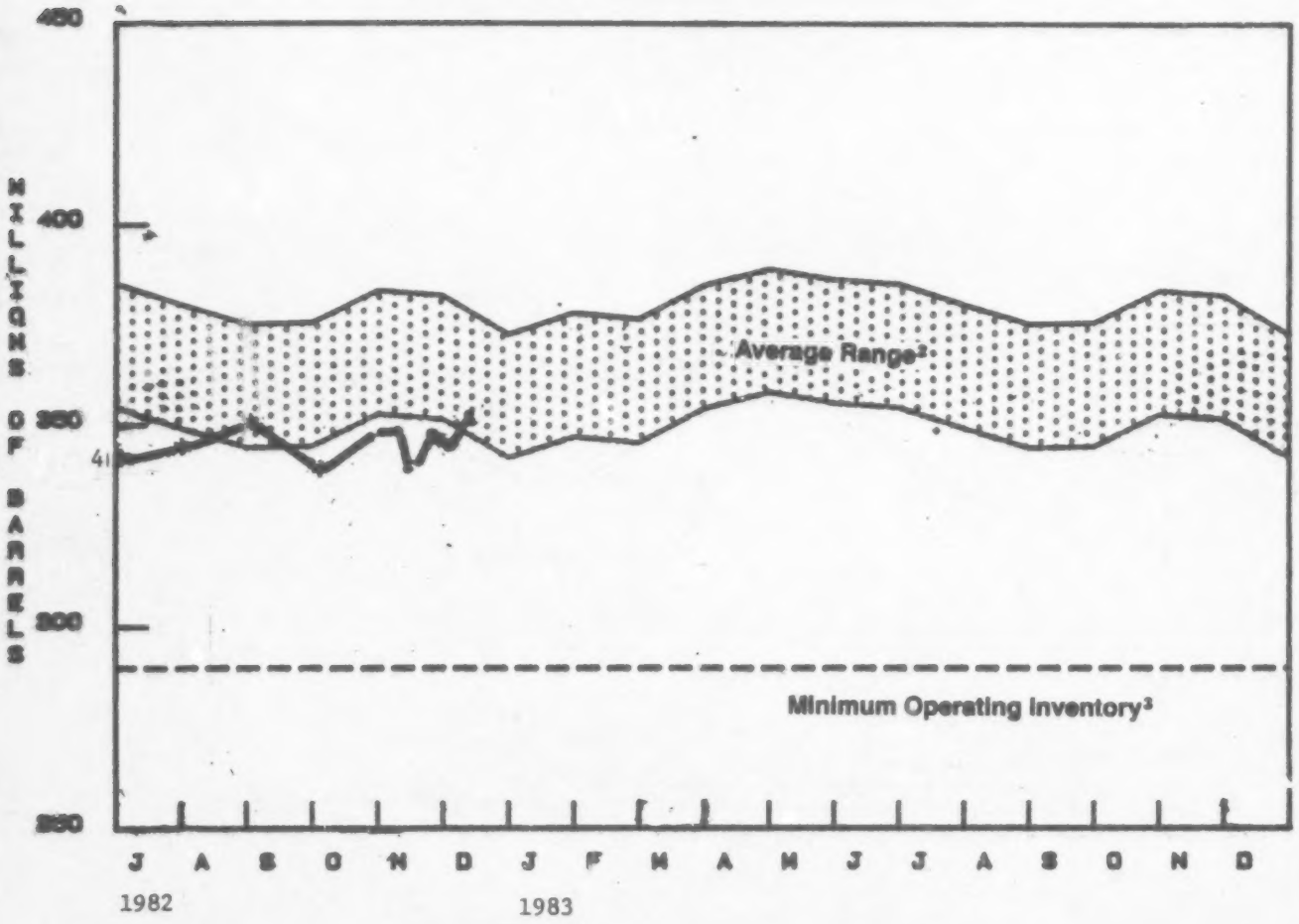
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

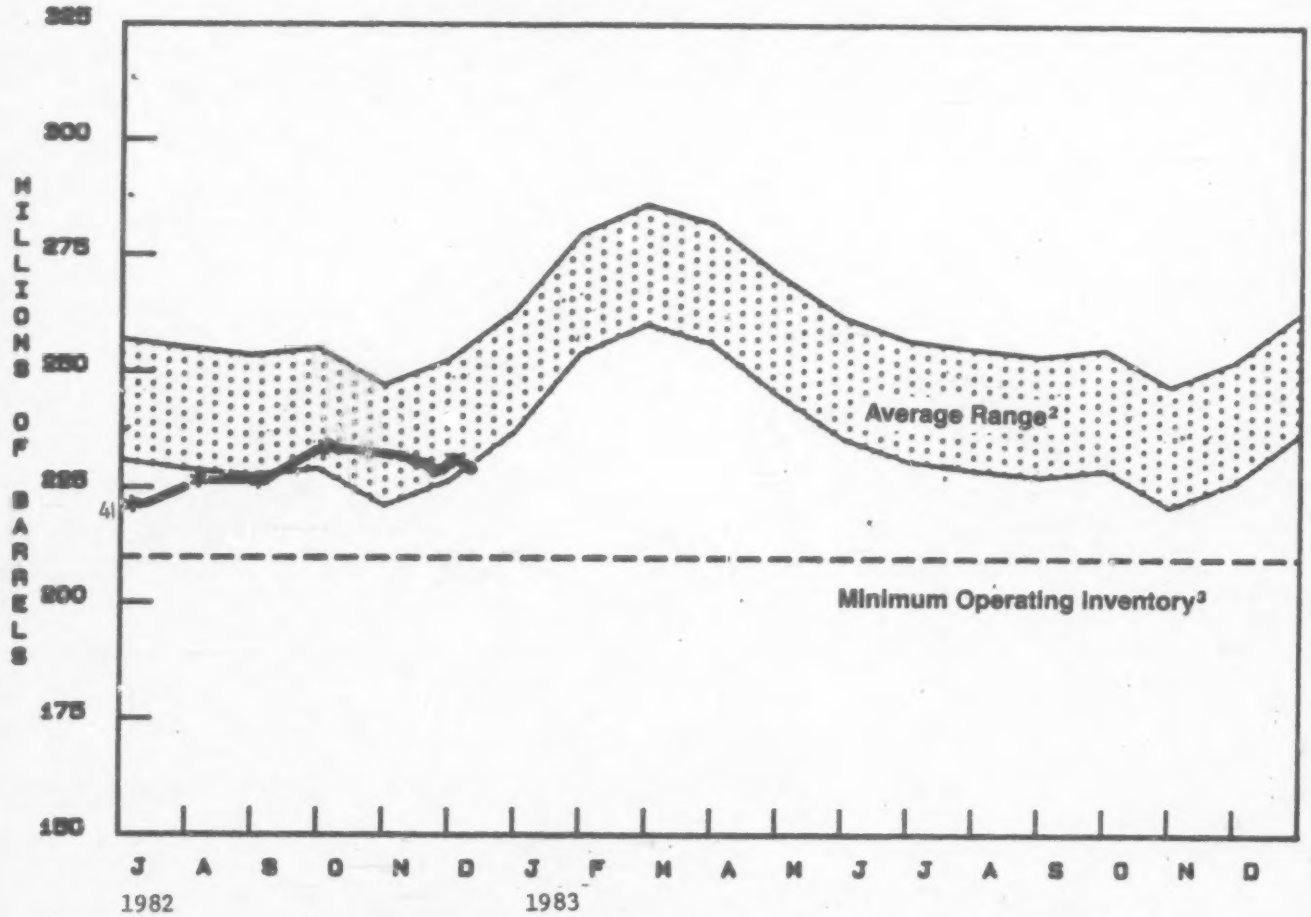
[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.